

# PROGRESS REPORT

GRANT NUMBER: 7310026

COLD CLIMATE HEAT PUMP DEMONSTRATION

COLD CLIMATE HOUSING RESEARCH CENTER

1/1/2013 – 3/31/2013

**CCHRC** Internet Web Site: <a href="http://www.cchrc.org">http://www.cchrc.org</a>
P.O. Box 82489, Fairbanks, AK 99708 Phone: (907)457-3454 Fax: (907)457-3456

## **Deliverables Submitted**

CCHRC GSHP design documents and RTF GSHP data plan March were submitted via e-mail on March 25, 2013

### **Budget**

**Amount Invoiced:** \$3,612.90

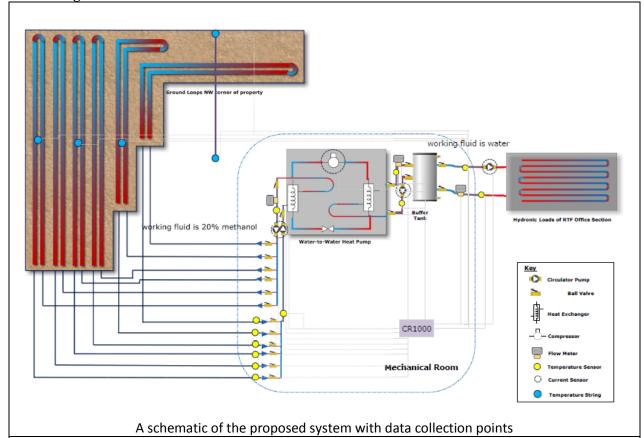
#### **Schedule Status**

We are keeping to the schedule laid out in the budget/milestones table.

## **Percent Complete**

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	Start		
	Date	<b>End Date</b>	Percent Complete
Thermal Response Test	Sep-12	Oct-12	100%
Heat pump system design	Nov-12	Mar-13	100%
Update monitoring plan	Nov-12	Mar-13	100%
Ground loop installation	Jun-13	Jul-13	N/A
Heat pump installation	May-13	May-13	N/A
Data acquisition system installation	Jun-13	Aug-13	N/A
Commissioning	Sep-13	Sep-13	N/A
System monitoring and maintenance Year 1	Sep-13	Sep-14	N/A
System monitoring and maintenance Year 2	Sep-14	Sep-15	N/A
System monitoring and maintenance Year 3	Sep-15	Mar-16	N/A
Data analysis, LCCA, and draft report completion	Apr-16	Jun-16	N/A
Final project report	Jul-16	Jul-16	N/A

### **Work Progress**



Heat pump system design – The system ground loop design is complete. The design documents are attached. CCHRC is just waiting for the weather that will allow for installation. These documents are attached.

Update monitoring plan – The data plan is drafted (attached) and will be used for the purchase and programming of the data collection system. The data plan will be finalized as installation of the system is completed.

#### **Future Work**

The installation of the system is the next step. The installation will take place as the weather allows.